

ABSTRACT OF THE DISCLOSURE

A plane vibrator of an angular velocity sensor and a movable member of an acceleration sensor are provided in a spaced floating state on the same substrate. A lid is formed so as to cover and be spaced from the upper side of the plane vibrator and the movable member. A space defined by the substrate and the lid is sectioned into a angular velocity sensor space and an acceleration sensor space by use of a sectioning wall. The angular velocity sensor space is hermetically sealed to be in the vacuum state. The acceleration sensor space is hermetically sealed to be under atmospheric pressure. The plane vibrator is vibrated at a high frequency and a large amplitude so that the angular velocity detection sensitivity is enhanced. The movable member, even if vibration of the plane vibrator is transmitted thereto, is prevented from vibrating at a high frequency and a large amplitude, due to the damping effect of air. Thus, the acceleration detection sensitivity is enhanced.